

SERMATECH INTERNATIONAL INCORPORATED

M A T E R I A L   S A F E T Y   D A T A   S H E E T

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SermaSeal 134 Part 1
Manufacturer's Name: Sermatech International Incorporated
Address: 155 South Limerick Road, Limerick, Pa 19468
Business Telephone #: 610-948-5100
Emergency Telephone #: (USA)800-424-9300 (Chemtrec) (INTERNATIONAL) 1-703-527-3887
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SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Table with 7 columns: INGREDIENT, CAS #, WT%, ACGIH-TWA, EXPOSURE GUIDELINES OSHA-PEL, EH40, SEC 313. Row 1: Water soluble chromium VI Compounds, 1333-82-0 (as CrO3), 5-15, 0.05 mg/m3, 0.1 mg/m3, MEL 0.5 mg/m3, Yes.

NONHAZARDOUS INGREDIENTS WITHHELD AS A TRADE SECRET.

SECTION 3 - HAZARD IDENTIFICATION

HAZARD OVERVIEW
Orange-red liquid, no odor. May cause cancer by inhalation of atomized coating. Harmful if swallowed. Irritating to eyes and respiratory system.

Potential Health Effects

- EYE: May cause severe irritation
SKIN: Prolonged or repeated skin contact may cause irritation.
INGESTION: May be harmful if swallowed.
INHALATION: This product contains chromium VI compounds which are considered to be carcinogenic by inhalation. May cause respiratory irritation.

SECTION 4 - FIRST AID MEASURES

- EYES: Flush with water for 15 minutes. Get medical attention.
SKIN: Immediately flush skin with water, remove contaminated clothing and wash before reuse. Severe skin contact may require medical attention.
INGESTION: If victim is conscious give large amounts of water followed by milk of magnesia. Obtain medical attention.
INHALATION: Remove victim to fresh air. Obtain medical attention.

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## **SECTION 5 - FIRE FIGHTING MEASURES**

### **FLAMMABLE PROPERTIES:**

FLASH POINT: None

METHOD: Not applicable

### **FLAMMABLE LIMITS:**

Lower flammable limit: N/A

Upper flammable limit: N/A

**AUTOIGNITION TEMPERATURE:** No data

**HAZARDOUS COMBUSTION PRODUCTS:** Will not burn or support combustion.

**EXTINGUISHING MEDIA:** Carbon dioxide, sand, dry chemical.

**FIRE FIGHTING INSTRUCTIONS:** Wear appropriate protective equipment including self contained breathing apparatus.

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## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:** Absorb onto sand or vermiculite, then scoop up for disposal. Rinse spill area with water.

**LARGE SPILL:** N/A

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## **SECTION 7 - HANDLING AND STORAGE**

**HANDLING:** Use with adequate ventilation. Do not get on skin and clothing.

### **STORAGE:**

Shelf Life: 12 months in original containers. Pot Life of mixed 134 48 hours.

Storage temp.: 40-90°F (4-32°C).

Storage Equipment: Store inside in original containers.

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## **SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Spray booth should have minimum air flow of 150ft./min.

**RESPIRATORY PROTECTION:** Do not breath spray. Use a positive pressure supplied air respirator for spray application.

**SKIN PROTECTION:** Wear acid resistant rubber or plastic gloves and other suitable protective clothing.

**EYE PROTECTION:** Wear appropriate goggles.

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## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**Vapor Pressure (MM Hg):** 23.7

**Vapor Density (Air=1):** 0.7 (water vapor)

**Evaporation Rate (H20)=1):** 1

**Appearance/Odor:** Red odorless liquid

**Solubility In Water:** Miscible in all proportions

**Specific Gravity:** Approx. 1.30

**% Volatile:** 80 wt. (water)

**VOC Content:** none

**pH:** Approx. 0-1

**Boiling point:** Approx 220°F (104°C)

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**SECTION 10 - STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** (CONDITIONS TO AVOID) Stable.

**INCOMPATIBILITY:**(Materials to avoid) Alkalis and strong oxidizing or reducing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Direct contact with alkalis may produce H<sub>2</sub> gas.

**HAZARDOUS POLYMERIZATION:** Will not occur.

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**SECTION 11 - TOXICOLOGICAL INFORMATION**

**SKIN:** Dermal (rabbit) LD<sub>50</sub> for chromic acid is 57 mg/kg.

**INGESTION:** Oral (rat) LD<sub>50</sub> for chromic acid is 52mg/kg.

**INHALATION:** Acute inhalation (rat) LC<sub>50</sub> for chromic acid is 217 mg/m<sup>3</sup>.

**SUBCHRONIC:** No data.

**CHRONIC/CARCINOGENICITY:** Chromic acid is listed on the following: IARC: Human carcinogen, Group 1  
NTP: Known human carcinogen

**TERATOLOGY:** No data.

**REPRODUCTION:** No data.

**MUTAGENICITY:** No data.

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**SECTION 12 - ECOLOGICAL INFORMATION**

**ECOTOXICOLOGICAL INFORMATION:** No data.

**CHEMICAL FATE INFORMATION:** No data.

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**SECTION 13 - DISPOSAL CONSIDERATIONS**

Dispose of as hazardous waste according to all applicable local, state and federal regulations.

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**SECTION 14 - TRANSPORT INFORMATION**

**Proper shipping Name:** High Temperature Coating, not regulated.

**Hazard Rating (DOT Class):** Not regulated.

**IATA Rating:** Not regulated.

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**SECTION 15 - REGULATORY INFORMATION****U.S. FEDERAL REGULATIONS:**

**OSHA:** This product is considered hazardous per OSHA Hazard Communication Rule, 29CFR 1910.1200

**SECTION 313:** HAZARDOUS INGREDIENTS IDENTIFIED IN THE SEC 313 COLUMN OF SECTION 1 ARE TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40CFR372. THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

**TOXIC SUBSTANCES CONTROL ACT (TSCA):** The ingredients of this product are all on the TSCA Inventory List.

**INTERNATIONAL REGULATIONS:**

**CANADIAN WHMIS:** Class D, Division 1 & 2

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):** All ingredients of this product are on the Domestic Substance List (DSL) and acceptable for use under the provisions of CEPA.

**UK CLASSIFICATION FOR SUPPLY: Toxic**

**R22: Harmful if swallowed**

**R36/37: Irritating to eyes and respiratory system**

**R43: May cause sensitization by skin contact**

**R49: May cause cancer by inhalation**

**S23: Do not breathe spray**

**S24: Avoid contact with skin**

**S26: In case of contact with eyes immediately rinse with water and seek medical advise**

**S36: Wear suitable protective clothing**

**S45: In case of accident or of you feel unwell, seek medical advise immediately (show the label where possible).**

**S51: Use only in well ventilated areas, wear suitable respiratory equipment.**

**STATE REGULATIONS:**

**CALIFORNIA PROP65:** This products contains water soluble chromium VI compounds, a chemical known to the state of California to cause cancer.

**VOLATILE ORGANIC COMPOUNDS (VOC)** This product contains no volatile organic compounds.

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**SECTION 16 - OTHER INFORMATION**

SermaSeal 134 is an aqueous acidic two part coating. The mixed coating consists of equal parts by volume PART 1 to PART 2. The pot life of the mixed coating is 30 days. Health and safety concerns for the mixed coating are similar to PART 1.

**HMIS RATINGS:**

Health

Flammability

Reactivity

3

0

1

0=Minimal

1=Slight

2=Moderate

3=Serious

4=Severe

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